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(54) INTELLIGENT VIDEO SYSTEM

(57) Abstract:

PURPOSE: An intelligent video system is provided to automatically adjust video playback speed according to complexity of contents when fast forward playback function is performed. CONSTITUTION: The entire contents of video tape are sequentially indexed and complexity of the contents is obtained on the basis of motion information. Playback speed is determined using the motion-based complexity. The playback speed of the video tape is variably adjusted according to the determined playback speed. The motion information is based on the quantity of motions represented numerically in one frame of video. The motions represented numerically in one frame are defined using information of motion vector, intra-coded macroblock and not-coded macroblock.



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